

Certificate of Analysis

Date of Testing: 2025-04-18 16:21:03

Date of Next Testing: 2027-04-08 16:21:03

Product Name: **Sodium phosphate monobasic dihydrate**

CAS Number: 13472-35-0

Specifications & Purity: for molecular biology, ≥99%(T)

Lot #: C2310523

SKU #: **S102315**

Version: **2**

Analysis #: **499340**

Parameter	Limit Values	Result
Cobalt(Co)	0-5 (ppm)	0.05 ppm
(Pb)Lead	0-5 (ppm)	0.01 ppm
Aluminum(Al)	0-5 (ppm)	1.50 ppm
PH	4-4.5	4.11
Lithium(Li)	0-5 (ppm)	0.90 ppm
Magnesium(Mg)	0-5 (ppm)	0.70 ppm
Potassium(K)	0-200 (ppm)	1.95 ppm
Barium(Ba)	0-5 (ppm)	2.20 ppm
(As)Arsenic	0-0.2 (ppm)	0.06 ppm
Molybdenum(Mo)	0-5 (ppm)	0.08 ppm
Strontium(Sr)	0-5 (ppm)	0.49 ppm
Chromium(Cr)	0-5 (ppm)	0.10 ppm
Copper(Cu)	0-5 (ppm)	0.06 ppm
Cadmium(Cd)	0-5 (ppm)	0.99 ppm
Nickel(Ni)	0-5 (ppm)	0.07 ppm
Iron(Fe)	0-5 (ppm)	0.08 ppm
Anion traces	0-50 (ppm)	0.80 ppm
Zinc(Zn)	0-5 (ppm)	0.90 ppm
Calcium(Ca)	0-10 (ppm)	1.66 ppm
Bismuth(Bi)	0-5 (ppm)	2.41 ppm
A280nm (1M in water)	0-0.07	0.02000
A260nm(1M in water)	0-0.085	0.08000
Manganese(Mn)	0-5 (ppm)	1.90 ppm
Purity (Titration by NaOH)	98.5-101.5 (%)	98.60 %
DNases	none detected	none detected
Insoluble matter	pass	Pass

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager